#### SEQUENCE LISTING

- (1) GENERAL INFORMATION
- (i) APPLICANT: Au-Young, Janice
- (ii) TITLE OF THE INVENTION: NOVEL HUMAN STEM CELL ANTIGENS
- (iii) NUMBER OF SEQUENCES: 26
- (iv) CORRESPONDENCE ADDRESS:
  - (A) ADDRESSEE: Incyte Pharmaceuticals, Inc.
  - (B) STREET: 3174 Porter Drive
  - (C) CITY: Palo Alto
  - (D) STATE: CA
  - (E) COUNTRY: U.S.
  - (F) ZIP: 94304
- (v) COMPUTER READABLE FORM:
  - (A) MEDIUM TYPE: Diskette
  - (B) COMPUTER: IBM Compatible
  - (C) OPERATING SYSTEM: DOS
  - (D) SOFTWARE: FastSEQ Version 1.5
- (vi) CURRENT APPLICATION DATA:
  - (A) APPLICATION NUMBER: To Be Assigned
  - (B) FILING DATE: Filed Herewith
- (viii) ATTORNEY/AGENT INFORMATION:
  - (A) NAME: Billings, Lucy J.
  - (B) REGISTRATION NUMBER: 36,749
  - (C) REFERENCE/DOCKET NUMBER: PF-0066 US
- (ix) TELECOMMUNICATION INFORMATION:
  - (A) TELEPHONE: 415-855-0555
  - (B) TELEFAX: 415-845-4166
  - (2) INFORMATION FOR SEQ ID NO:1:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 131 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (vii) IMMEDIATE SOURCE:
  - (A) LIBRARY: SCAH-1
  - (B) CLONE:
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

Met Lys Ile Phe Leu Pro Val Leu Leu Ala Ala Leu Leu Gly Val Glu
1 5 10 15
Arg Ala Ser Ser Leu Met Cys Phe Ser Cys Leu Asn Gln Lys Ser Asn
20 25 30

Leu Tyr Cys Leu Lys Pro Thr Ile Cys Ser Asp Gin Asp Asn Tyr Cys Val Thr Val Ser Ala Ser Ala Gly Ile Gly Asn Leu Val Thr Phe Gly 50 His Ser Leu Ser Lys Thr Cys Ser Pro Ala Cys Pro Ile Pro Glu Gly 70 Val Asn Val Gly Val Ala Ser Met Gly Ile Ser Cys Cys Gln Ser Phe 85 90 Leu Cys Asn Phe Ser Ala Ala Asp Gly Gly Leu Arg Ala Ser Val Thr 100 105 110 Leu Leu Gly Ala Gly Leu Leu Leu Ser Leu Xaa Pro Ala Leu Leu Arg 115 120 Phe Gly Pro 130

#### (2) INFORMATION FOR SEQ ID NO:2:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 123 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (vii) IMMEDIATE SOURCE:
  - (A) LIBRARY: SCAH-2
  - (B) CLONE:

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

Met Lys Ala Val Leu Leu Ala Leu Leu Met Ala Gly Leu Ala Leu Gln 1 10 Pro Gly Thr Ala Leu Leu Cys Tyr Ser Cys Lys Ala Gln Val Ser Asn 25 20 Glu Asp Cys Leu Gln Val Glu Asn Cys Thr Gln Leu Gly Glu Gln Cys 45 Trp Thr Ala Arg Ile Arg Ala Val Gly Leu Leu Thr Val Ile Ser Lys 50 55 Gly Cys Ser Leu Asn Cys Val Asp Asp Ser Gln Asp Tyr Tyr Val Gly 65 70 75 Lys Lys Asn Ile Thr Cys Cys Asp Thr Asp Leu Cys Asn Xaa Ser Gly 85 90 Ala His Ala Leu Gln Pro Ala Ala Ala Ile Leu Ala Leu Leu Pro Ala 100 105 Leu Gly Leu Leu Trp Gly Pro Gly Gln Leu 115

#### (2) INFORMATION FOR SEQ ID NO:3:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 537 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA

- (vii) IMMEDIATE SOURCE:
  - (A) LIBRARY: SCAH-1 (B) CLONE:
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

NAGGANGGTG	GGGGACCCAN	GGGTCCAGAG	CGCAGTTCGG	GTCGGAGCTY	CGWCCAGGCT	60
GCTGGTACCT	GCGTCCGCCC	GGCGAGCAGG	ACAGGCTGCT	TTGGTTTGTG	ACCTCCAGGC	120
AGGACGGCCA.	TESTSTCCAG	AATGAAGATC	TTCTTGCCAG	TGCTGCTGGC	TGCCCTTCTG	180
GGTGTGGAGC	GAGCCAGCTC	GCTGATGTGC	TTCTCCTGCT	TGAACCAGAA	GAGCAATCTG	240
TACTGCCTGA	AGCEGACEAT	CTGCTCCGAC	CAGGACAACT	ACTGCGTGAC	TGTGTCTGCT	300
AGTGCCGGCA	TTGGGAATCT	CGTGACATTT	GGCCACAGCC	TGAGCAAGAC	CTGTTCCCCG	360
GCCTGCCCCA	TCCCAGAAGG	CGTCAATGTT	GGTGTGGCTT	CCATGGGCAT	CAGCTGCTGC	420
CAGAGCTTTC	TGTGCAATTT	CAGTGCGGCC	GATGGCGGGC	TGCGGGCAAG	CGTCACCCTG	480
CTGGGTGCCG	GGCTGCTGCT	GAGCCTGWTG	CCGGCCCTGC	TGCGGTTTGG	CCCCTGA	537

### (2) INFORMATION FOR SEQ ID NO:4:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 494 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA
- (vii) IMMEDIATE SOURCE:
  - (A) LIBRARY: SCAH-2
  - (B) CLONE:
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

CTC3CC3TC3	N C C C T C T C C T	CCMMCCCCMC	MMC1 = COO1 O			
	AGGCTGTGCT					60
ACTGCCCTGC	TGTGCTACTC	CTGCAAAGCC	CAGGTGAGCA	ACGAGGACTG	CCTGCAGGTG	120
GAGAACTGCA	CCCAGCTGGG	GGAGCAGTGC	TGGACCGCGC	GCATCCGCGC	AGTTGGCCTC	180
	TCAGCAAAGG					240
GTGGGCAAGA	AGAACATCAC	GTGCTGTGAC	ACCGACTTGT	GCAACGSCAG	CGGGGCCCAT	300
	CGGCTGCCGC					360
GGACCCGGCC	AGCTATAGGC	TCTGGGGGGC	CCCGMTGCAG	CCCACACTGG	GTGTGGTGCC	420
CCAAGGCCTC	TGTGSCACTC	CTMACAGACC	TGGGCCCAGT	GGGAGSCTGT	CTCTNGGTTC	480
CTGAGGCACA						494

# (2) INFORMATION FOR SEQ ID NO:5:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 136 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (vii) IMMEDIATE SOURCE:
  - (A) LIBRARY: GenBank
  - (B) CLONE: 434660
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

Met Ser Ala Thr Ser Asn Met Arg Val Phe Leu Pro Val Leu Leu Ala 10 15 Ala Leu Leu Gly Met Glu Gln Val His Ser Leu Met Cys Phe Ser Cys 20 25 Thr Asp Gln Lys Asn Asn Ile Asn Cys Leu Trp Pro Val Ser Cys Gln 35 40 Glu Lys Asp His Tyr Cys Ile Thr Leu Ser Ala Ala Ala Gly Phe Gly 55 Ash Val Ash Leu Gly Tyr Thr Leu Ash Lys Gly Cys Ser Pro Ile Cys 70 75 Pro Ser Glu Asn Val Asn Leu Asn Leu Gly Val Ala Ser Val Asn Ser 85 90 95 Tyr Cys Cys Gln Ser Ser Phe Cys Asn Phe Ser Ala Ala Gly Leu Gly 100 105 110 Leu Arg Ala Ser Ile Pro Leu Leu Gly Leu Gly Leu Leu Leu Ser Leu 115 120 Leu Ala Leu Leu Gln Leu Ser Pro 135

#### (2) INFORMATION FOR SEQ ID NO:6:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 109 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (vii) IMMEDIATE SOURCE:
  - (A) LIBRARY: GenBank
  - (B) CLONE: 1199651

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

 Met
 Ser
 Thr
 Thr
 Ser
 Ser
 Met
 Arg
 Val
 Phe
 Ser
 Ile
 Val
 Leu
 Gln
 Lau
 Val
 Pro
 Ser
 Leu
 Ile
 As
 Pro
 Ser
 Leu
 Ile
 As
 Pro
 Pro
 Pro
 Val
 Ala
 Cys
 Lys

 Asp
 Thr
 Gly
 Asn
 Tyr
 Cys
 Ile
 Met
 Leu
 Phe
 Ser
 Ala
 Val
 Ala
 Cys
 Lys

 Asn
 Val
 Asn
 Leu
 Gly
 Tyr
 Thr
 Leu
 Asn
 Thr
 Gly
 Cys
 Ser
 Cys
 Asn
 Cys
 Ser
 Gln
 Ser
 Cys
 Ser
 Gln
 Ser
 Cys
 Ser
 Gln
 Ser
 Cys
 Ser
 Gln
 Ser
 Ser
 Gln

#### (2) INFORMATION FOR SEQ ID NO:7:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 148 base pairs
  - (3) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear

## PF-0066 US (ii) MOLECULE TYPE: cDNA (vii) IMMEDIATE SOURCE: (A) LIBRARY: THP1PEB01 (B) CLONE: 72518 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7: CCTGAAGCCG ACCATCTGNT CCGACCAGGN CAACTACTGN GTGACTGTGT CTGCTAGTGC 60 CGGCATTTGG AATCTTGTGC CATTINGACA CAGCCTNAGC AAGACCTNTT CCCCGGCCTN 120 NCCCATCCCA GAAGGNGTCA ATNATNGT 143 (2) INFORMATION FOR SEQ ID NO:8: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 196 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: cDNA (vii) IMMEDIATE SOURCE: (A) LIBRARY: THP1PLB02 (B) CLONE: 155838 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8: CGGACAGGCT GCTTTGGTTT GTNACCTCCA GGCAGGACGG CCATCCTCTC CAGAATGAAG 60 ATCTTCTTGC CANTGCTGCT GGCTGCCCTT CTNGGTGTGG AGCGAGCCAG CTCGCTGATG 120 TGCTTCTCCT GCTTNAACCA GAAGAGCAAT CTGTACTGCC TGAAGCCGAC CATCTGCTCC 130 GACCAGGNCA ACTACT 196 (2) INFORMATION FOR SEQ ID NO:9: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 278 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: cDNA (vii) IMMEDIATE SOURCE: (A) LIBRARY: HNT2RAT01 (B) CLONE: 486681 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9: GTTCGGGGAG CTCGGCCAGG CTGCTGGTAC CTGCGTCCGC CCGGCGAGCA GGACAGGCTG 60 CTTTGGTTTG TGACCTNCAG GCAGGACGGC CATCCTCTNC AGAATGAAGA TCTTCTTGCC 120 AGTGCTGCTG GNTGCCCTTC TGGGTGTGGA GCGAGCCAGC TNGCTGATGT GCTTCTTCTG 180 CTTGAACCAG AAGAGCAATC TGTACTGCTG AAGCCGACCA TCTGTTCGAC CAGGNCAACT 240 ACTGCGTGAC TGTGTCTGCT AGTGNCGGCA TTGGGAAT 278

(2) INFORMATION FOR SEQ ID NO:10:

A) E) C)	SEQUENCE CHARACTERISTICS: (1) LENGTH: 262 base pairs (3) TYPE: nucleic acid (3) STRANDEDNESS: single (4) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: cDNA	
(A)	IMMEDIATE SOURCE: LIBRARY: BRSTTUT01 CLONE: 604702	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:10:	
CAGTGCTGCT CAGTGCTGCT GCTTGAACCA	GCTCGGCCAG GCTGCTGGTA CCTGCGTCCG CCCGGCGAGC AGGACAGGCT GTGACCTCCA GGCAGGACGG CCATCCTCTC CAGAATGAAG ATCTTCTTGC GGCTGCCCTT CTGGGTGTGG AGCGAGCCAG CTCGCTGATG TGCTTCTCCT GAAGAGCAAT CTGTACTGCC TGAAGCCGAC CATCTGCTCC GACCAGGACA GACTGTGTCT GC	60 120 180 240 262
()	2) INFORMATION FOR SEQ ID NO:11:	
(A (B) (C)	SEQUENCE CHARACTERISTICS: ) LENGTH: 289 base pairs ) TYPE: nucleic acid ) STRANDEDNESS: single ) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: cDNA	
(A)	IMMEDIATE SOURCE: LIBRARY: BRSTTUT01 CLONE: 606246	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:11:	
AGTGCTGCTG CTTGAACCAG	CTCGGCCAGG CTGCTGGTAC CTGCGTCCGC CCGGCGAGCA GGACAGGCTG TGACCTCCAG GCAGGACGC CATCCTCTCC AGAATGAAGA TCTTCTTGCC GCTGCCCTTC TGGGTGTGGA GCGAGCCAGC TCGCTGATGT GCTTCTCCTG AAGAGCAATC TGTACTGCCT GAAGCCGACC ATCTGCTCCG ACCAGGACAA ACTGTGTCTG CTAGTGCCGG CATTGGGAAT CTCGTGACA	60 120 180 240 289
(2	) INFORMATION FOR SEQ ID NO:12:	
(A) (B) (C)	EQUENCE CHARACTERISTICS:  LENGTH: 335 base pairs  TYPE: nucleic acid  STRANDEDNESS: single  TOPOLOGY: linear	
(ii)	MOLECULE TYPE: cDNA	
(A)	IMMEDIATE SOURCE: LIBRARY: BRSTNOT03 CLONE: 637479	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:

# 25-0066 US GTTCGGGGAG CTCGGCCAGG CTGCTGCTAC CTGCGTCCCC CCGGCGAGCA GGACAGGCTG CTTTGGTTTG TGACCTCAG GCAGGACGGC CATCCTNTCO AGAATGAAGA TCTTCTTGCO AGTGCTGCTG GCTGCCCTTC TGGGTGTGGA GCGAGCCAGC TCGCTGATGT GCTTCTNCTG CTTGAACCAG AAGAGCAATC TGTACTGCCT GAAGCCGACC ATCTGCTCCG ACCAGGACAA CTACTGCTG ACCAGTGCCGG CATTGGGAAT CTCGTGACAT TTGGNCACAG 120 130 240 300 CTGAGCAAGA CCTGTTNCCC GGNCTGCCCC ATNCG (2) INFORMATION FOR SEQ ID NO:13: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 261 base pairs . (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: cDNA (vii) IMMEDIATE SOURCE: (A) LIBRARY: BRSTNOT03 (B) CLONE: 641178 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:13: GGTTCGGGGA GCTCGGCCAG GCTGCTGGTA CCTGCGTCCG CCCGGCGAGC AGGACAGGCT GCTTTGGTTT GTGACCTNCA GGCAGGACGG CCATCCTCTC CAGAATGAAG ATCTTNTTGC 120 CAGTGCTNCT NGCTGCCCTT CTGGGTGTGG AGCGAGCCAG CTNGCTGATG TGCTTCTTCT 180 GCTTGAACCA GAAGAGCAAT CTGTACTGTC TGAAGCCGAC CATTTGCTNC GACCAGGNCA 240 ACTACTGTGT GACTGTNTNT T (2) INFORMATION FOR SEQ ID NO:14: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 287 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: cDNA (vii) IMMEDIATE SOURCE: (A) LIBRARY: BRSTNOT03 (B) CLONE: 642012 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:14: AAGCCGACCA TCTGCTCCGA CCAGGACAAC TACTGCGTGA CTGTGTCTGC TAGTGCCGGC 60

# GGGCTGCTGC TGAGCTGCTG CCGGCCCTGC TGCGGTTTGG CCCCTGA (2) INFORMATION FOR SEQ ID NO:15:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 294 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single

ATTGGGAATC TCGTGACATT TGGCCACAGC CTGAGCAAGA CCTGTTCCCC GGCCTGCCCC

ATCCCAGAAG GCGTCAATGT TGGTGTGGCT TCCATGGGNA TCAGCTGCTG CCAGAGCTTT

CTGTGCAATT TCAGTGCGGC CGATGGCGGG CTGCGGGCAA GCGTCACCCT GCTGGGTGCC

120

180

240

	(D) TOPOLOGY: linear				
	(ii) MOLECULE TYPE: cDNA				
	<pre>(vii) IMMEDIATE SOURCE:   (A) LIBRARY: LUNGTUT02   (B) CLONE: 690697</pre>				
	(xi) SEQUENCE DESCRIPTION:	SEQ ID NO:	15:		
	AGGANGGTGG GGGACCCANG GGTCCGGCCA CTGCGTNCGG CCGGCGAGCA GGACANGNTG ATNCTTNCAG AATTAAGATC TTNTTGCCAG GAGCCAGTNG NTGATGTGNT TNTTCTGCTT GCCGACCATG TGGTTCGACC AGGGCAACTA	CTTTGGTTTG TGCTGNTGGC GAACCAGAAG	TGACTNCAGG TGCCCTTCTG AGCAATCTGT	NAGGACGGCC GGTGTNGAGC ACTGCCTGAA	130
<b></b>	(2) INFORMATION FOR SEC	ID NO:16:			
առեք է վեոր կութ կութ կութ	(i) SEQUENCE CHARACTERISTI (A) LENGTH: 266 base pai (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	rs		·	
and Market	(ii) MOLECULE TYPE: cDNA				
	<pre>(vii) IMMEDIATE SOURCE:   (A) LIBRARY: LUNGNOT03   (B) CLONE: 728784</pre>				
# # # # # # # # # # # # # # # # # # # #	(xi) SEQUENCE DESCRIPTION:	SEQ ID NO:	16:		
N. Parel New Kern Yadi Papel	TCCAGAGCGC GCGAGGTTCG GGGAGCTCGG GGACAGGCTG CTTTGGTTTG TGACCTCCAG TCTTCTTGCC AGTGCTGCTG GCTGCCCTTC GCTTCTCCTG CTTGAACCAG AAGAGCAATC ACCAGGACAA CTACTGNGTG ACTGTG	GCAGGACGGC TGGGTGTGGA	CATCCTCTCC GCGAGCCAGC	AGAATGAAGA TCGCTGATGT	
	(2) INFORMATION FOR SEC	ID NO:17:			
	<ul><li>(i) SEQUENCE CHARACTERISTI</li><li>(A) LENGTH: 280 base pai</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: single</li><li>(D) TOPOLOGY: linear</li></ul>	rs			
	(ii) MOLECULE TYPE: cDNA				
	<pre>(vii) IMMEDIATE SOURCE:   (A) LIBRARY: OVARNOT03   (B) CLONE: 797584</pre>				
	(xi) SEQUENCE DESCRIPTION:	SEQ ID NO:	17:		
	TNGGNCCNGG TGNTGGTACC GNGTCCGCCCCCCCCAGGNA GGACGGCCAT CCTCTCCAGA	ATGAAGATCT	TCTTGCCAGT	GCTGCTGGCT	60 120

AGCAATCTGT GTGTCTGCTA	ACTGCCTGAA GTGCCGGCAT	GCCGACCATC TGGGAATCTC	TGCTNCGACC GTGACAATTG	AGGNCAACTA	CTGCGTGACT	240 280
(;	2) INFORMATI	ON FOR SEQ	ID NO:18:			
(A) (B) (C)	SEQUENCE CHA LENGTH: 27 TYPE: nucl STRANDEDNE TOPOLOGY:	75 base pai: leic acid ISS: single			^	
(±±)	MOLECULE TY	PE: cDNA				
(A)	IMMEDIATE S LIBRARY: PR CLONE: 8313	ROSTUTO4				
(xi)	SEQUENCE DE	SCRIPTION:	SEQ ID NO:	18:		
GCTTTANTTT CANTGCTGNT GNTTGAACCA	NTGACCTNCA GGNTGNCCTT	GGCAGGACGG NTGNGTGTNG NTGTANTGCC	CCATNCTATN AGCGAGCCAG TGAAGCCGAC	CAGAATGAAG NTCNATGATG	AGGACAGGNT ATCTTATTGC TGNTTNTCCT GACCAGGACA	120 180
(2	2) INFORMATI	ON FOR SEQ	ID NO:19:			
(A) (B) (C) (D)	SEQUENCE CHA LENGTH: 29 TYPE: nucl STRANDEDNE TOPOLOGY: MOLECULE TY	P7 base pair eic acid CSS: single linear	cs .			
(A)	LIBRARY: BR	RSTNOT05				
, ,	SEQUENCE DE		SEQ ID NO:	19:		
CTGCGTGACT GAGCAAGACC CATGGGCATC		GTGCCGGCAT NCTGCCCCAT AGAGCTTTNT	TGGGAATNTN CCCAGAAGGC GTGCAATTTC	GTGACATTTG GTCAATGTTG AGTGCGGCCG	ATGGNGGGCT	
(2	) INFORMATI	ON FOR SEQ	ID NO:20:			
(A) (B) (C)	EQUENCE CHA LENGTH: 12 TYPE: amin STRANDEDNE TOPOLOGY:	e amino aci no acid SS: single				

(ii) MOLECULE TYPE: peptide

- (vii) IMMEDIATE SOURCE:
  - (A) LIBRARY: GenBank
  - (B) CLONE: 509840
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:20:

Met Lys Ala Phe Leu Phe Ala Val Leu Ala Ala Val Leu Cys Val Glu Arg Ala His Thr Leu Ile Cys Phe Ser Cys Ser Asp Ala Ser Ser Asn 20 25 Trp Ala Cys Leu Thr Pro Val Lys Cys Ala Glu Asn Glu Glu His Cys 30 35 40 Val Thr Thr Tyr Val Gly Val Gly Ile Gly Gly Lys Ser Gly Gin Ser Ile Ser Lys Gly Cys Ser Pro Val Cys Pro Ser Ala Gly Ile Asn Leu 70 75 Gly Ile Ala Ala Ala Ser Val Tyr Cys Cys Asp Ser Phe Leu Cys Asn 85 90 Ile Ser Gly Ser Ser Ser Val Lys Ala Ser Tyr Ala Val Leu Ala Leu 100 105 Gly Ile Leu Val Ser Phe Val Tyr Val Leu Arg Ala Arg Glu 120

- (2) INFORMATION FOR SEQ ID NO:21:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 286 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA
- (vii) IMMEDIATE SOURCE:
  - (A) LIBRARY: UTRSNOT01
  - (B) CLONE: 588615
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:21:

ACCGCGCGCA GCGTGGATGA	TNCGGCAGTT CTNACAGGAC	GCAGGTGGAG GGCCTNCTGA TACTACGTGG	AACTGCACCC CCGTCATCAG GCAAGAAGAA	AGCTGGGGGA CAAAGGCTGC	CAAAGCCCAG GCAGTGCTGG AGCTTGAACT TGTGACANCG	60 120 180 240
ACTTGTGCAA	NGGCANCGGG	GCCCATGCCC	TGCAGNCGGC	TNTCGC	TGTGACANCG	240 286

- (2) INFORMATION FOR SEQ ID NO:22:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 251 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA
- (vii) IMMEDIATE SOURCE:
  - (A) LIBRARY: UTRSNOT01
  - (B) CLONE: 590328

(xi)	SEQUENCE	DESCRIPTION:	SEO	 NO - 22 -

AANAGGTTAT TAGGNGG CAGCGGGGNC CATGCCG NCTGCTGCTC TGGGGAG TGGGTGTGGT GCCCCAF	TTGN AGCCGGCTGC CCCG GNCAGCTATA	CGGCATCCTT	GCGCTGNTNC	CIGCACTOGG	60 120 180 240
NTCTNGGTAA A					25.

#### (2) INFORMATION FOR SEQ ID NO:23:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 288 base pairs
  - (3) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA
- (vii) IMMEDIATE SOURCE:
  - (A) LIBRARY: BLADTUT02
  - (B) CLONE: 1312529
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:23:

GTGACCATCA	ACCCTCTCCT	CCTTCCCCTC	##C>#CCO			
					GCAGCCAGGC	60
ACTGCCCTGC	TGTGCTACTC	CTGCAAAGCC	CAGGTGAGCA	ACGAGGACTG	CCTGCAGGTG	120
GAGAACTGCA	CCCAGCTGGG	GGAGCAGTGC	TGGACCGCGC	GCATCCGCGC	AGTTGGCCTC	180
CTGACCGTCA	TCAGCAAAGG	CTGCAGCTTG	AACTGCGTGG	ATGACTCACA	GGACTACTAC	240
GTGGGCAAGA					OONCINCIAC	
0.0000.2.0	HOLDICKI CHC	GIGCIGIGAC	ACCOMCTIGI	GCAAGCCA		288

- (2) INFORMATION FOR SEQ ID NO:24:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 230 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA
- (vii) IMMEDIATE SOURCE:
  - (A) LIBRARY: BLADTUT02
  - (B) CLONE: 1314679
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:24:

1	GTGCTGTGAC	ACCGACTTGT	GCAACGCCAG	CGGGGCCCAT	GCCCTGCAGC	CGGCTGCCGC	60
1	CATCCTTGCG	CTGCTCCCTG	CACTCGGCCT	GCTGCTCTGG	GGACCCGGCC	AGCTATAGGC	120
						GTGCCACTCC	180
•	TCACAGACCT	GGCCCAGTGG	GAGCCTGTCC	TGGTTCCTGA	GGCACATCCT		230

#### (2) INFORMATION FOR SEQ ID NO:25:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 232 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single

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(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: SONA	
(vii) IMMEDIATE SOURCE: (A) LIBRARY: BLADTUT02 (B) CLONE: 1315052	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:25:	
TGACCATGAA GGCTGTGCTG CTTGCCCTGT TGATGGCAGG CTTGGCCCTG CAGCCAGGCA CTGCCCTGCT GTGCTACTCC TGCAAAGCCC AGGTGAGCAA CGAGGACTGC CTGCAGGTGG AGAACTGCAC CCAGCTGGGG GAGCAGTGCT GGACCGCGCG CATCCGCGCA GTTGGCCTCC TGACCGTCAT CAACAAAAGG CTGCAGCTTG AACTGCGTGG ATGACTCACA GG	120
(2) INFORMATION FOR SEQ ID NO:26:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 77 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: single</li><li>(D) TOPOLOGY: linear</li></ul>	
(ii) MOLECULE TYPE: cDNA	
<pre>(vii) IMMEDIATE SOURCE:   (A) LIBRARY: BLADTUT02   (B) CLONE: 1317088</pre>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:26:	
CGGGGCCCAT GCCCTGCAGC CGGCTGCCGC CATCCTTGCG CTGCTCCCTG CACTCGGCCT GCTGCTCTGG GGACCCG	60 77